

SEMINARIO
Departamentos de Física Teórica I y II
Universidad Complutense de Madrid

INVITADO: Craig D. Roberts

Argonne National Laboratory, US

TITULO: Confinement contains condensates

LUGAR: FACULTAD DE CIENCIAS FÍSICAS UCM

DÍA: 27 de septiembre, 2012 (Jueves)

HORA: 14:30

AULA: Seminario Depto. Física Teórica I, Planta 3ª

ABSTRACT

Dynamical chiral symmetry breaking and its connection with the generation of hadron masses has historically been viewed as a vacuum phenomenon. I will argue that confinement makes such a position untenable. If quark-hadron duality is a reality in QCD, then condensates, those quantities that were commonly viewed as constant empirical mass-scales that fill all spacetime, are instead wholly contained within hadrons; viz., they are a property of hadrons themselves and expressed, e.g., in their Bethe-Salpeter or light-front wave functions. I will explain that this paradigm is consistent with empirical evidence.